

Serial No.: 09/404,010
Filed: September 23, 1999

C 1
In addition, as is more fully outlined below, cell cycle proteins can be made that are longer than those depicted in Figure 2 (SEQ ID NO:2); for example, by the addition of epitope or purification tags, the addition of other fusion sequences, or the elucidation of additional coding and non-coding sequences. As described below, the fusion of a cell cycle peptide to a fluorescent peptide, such as Green Fluorescent Peptide (GFP), is particularly preferred.

Cell cycle proteins may also be identified as encoded by cell cycle nucleic acids which hybridize to the sequence depicted in Figure 1 (SEQ ID NO:1), or the complement thereof, as outlined herein. Hybridization conditions are further described below.--

Concluded

In the Claims

Please cancel Claims 1-10.

Please add the following new claims:

C 2
--24. A recombinant nucleic acid encoding a Mkinase protein, comprising a nucleic acid sequence having at least about 95% identity to the full length nucleic acid sequence set forth in SEQ ID NO:1, wherein said Mkinase protein binds to a Traf4 protein.

Surf
25. A recombinant nucleic acid encoding a Mkinase protein, comprising the nucleic acid sequence set forth in SEQ ID NO:1.

Serial No.: 09/404,010
Filed: September 23, 1999

C2 26. A recombinant nucleic acid encoding a Mkinase protein, which protein comprises an amino acid sequence having at least about 95% identity to the full length amino acid sequence set forth in SEQ ID NO:2, wherein said Mkinase protein binds to a Traf4 protein.

Subj 27. A recombinant nucleic acid encoding a Mkinase protein, wherein said Mkinase comprises the amino acid sequence set forth in SEQ ID NO:2.

Subj 28. A recombinant nucleic acid according to Claim 24, 25, 26, or 27, further comprising a fusion partner.

Subj 29. An expression vector, comprising a recombinant nucleic acid according to any one of Claims 24-27 operably linked to a regulatory sequences recognized by a host cell transformed with the nucleic acid.

30. A host cell comprising a nucleic acid according to any one of Claims 24-27.

Subj 31. A host cell comprising an expression vector according to Claim 29.

Subj 32. A process for producing a Mkinase protein, comprising culturing a host cell according to Claim 30 or 31 under conditions suitable for expression of said Mkinase protein.

33. A process according to Claim 32, further comprising recovering said Mkinase protein.--

Concluded